

METHOD AND APPARATUS FOR A TRANSPORT FORMAT
COMBINATION INDICATOR (TFCI) DECODER

ABSTRACT

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A TFCI decoder (600) in accordance with the present invention comprises a comparator (605), which is coupled to receive encoded TFCI codewords (110) at a first input (610). At a second input (645), the comparator (605) is coupled to a TFCI candidate codeword generator
10 (625) that generates all the possible candidate TFCI codewords (647) from all possible corresponding unencoded TFCI source data. When an encoded TFCI codeword (110) is received at the first input (610), the comparator (605) compares the TFCI codeword (110) with each of the possible candidate TFCI codewords (647) provided to the second input
15 (645), and the corresponding TFCI source data (650) is identified. Subsequently, the identified TFCI source data (650) is latched in a TFCI source data memory (640) by a latch signal (620) provided from an output (630) of the comparator (605).

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FIG. 6 accompanies the abstract.